

LASER UNIT

5

ABSTRACT OF THE DISCLOSURE

10 A laser unit which is reliable and has a simple
structure. The laser unit includes a shutter having a
reflective member for reflecting a laser beam, a motor
for moving the shutter between a position in an optical
path of the laser beam and a position out of the optical
path, a shutter position control for commanding the
motor, and an encoder for detecting a rotational position
15 of the motor. By monitoring a condition of the shutter
based on a rotational position of the motor for driving
the shutter, it is unnecessary to provide a separate
sensor for detecting the position of the shutter or a
detecting device for detecting a laser beam, which may be
20 malfunction, and the number of necessary sensors may be
decreased.